

ICT Policy in Japan - Broadband and Mobile -

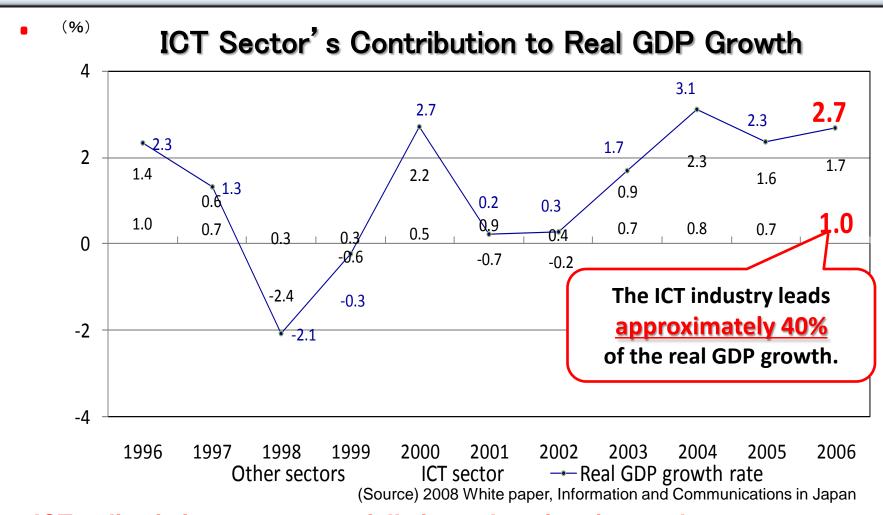
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ICT Economic Growth (40% Contribution)

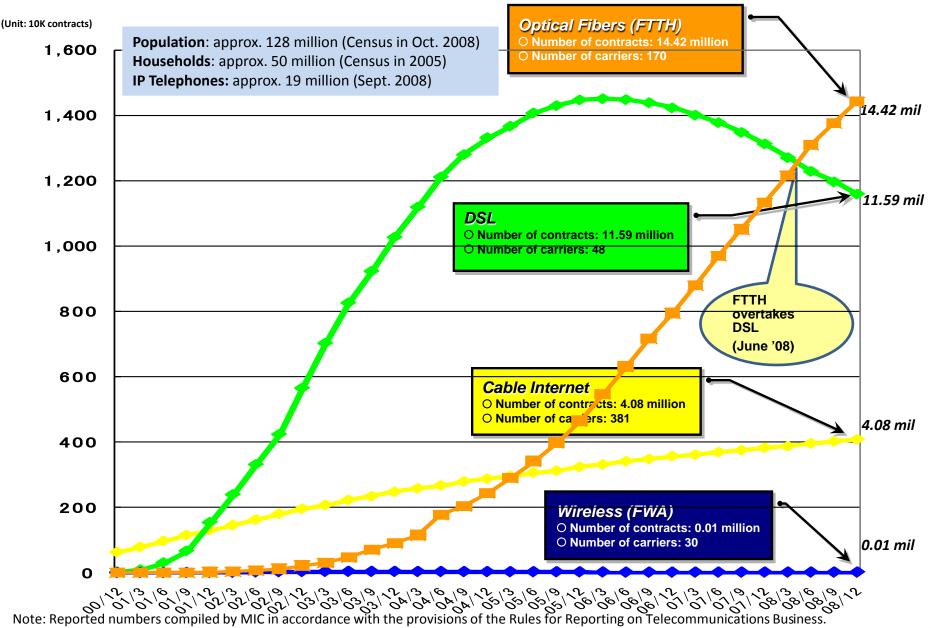
The contribution rate of the ICT industry in relation to the fluctuation of real GDP is very high.



→ ICT policy is important especially in such a situation as the current economic crisis. Broadband is the vital infrastructure for ICT activities.

Broadband Services

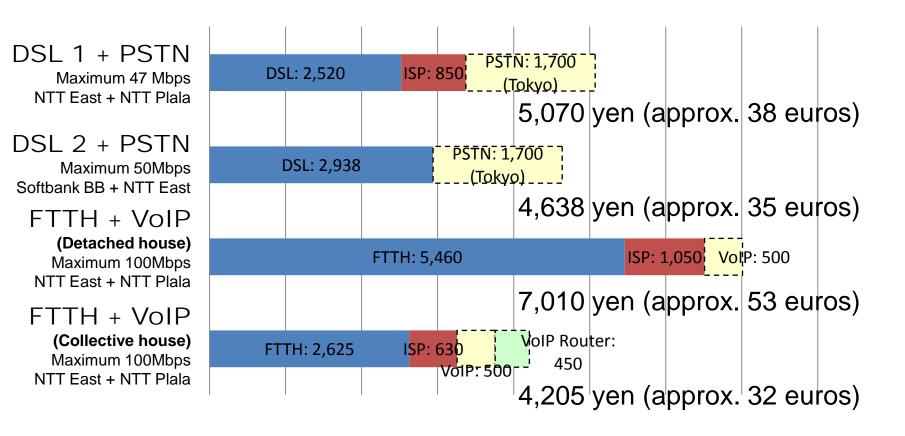
Progress Status of Broadband Deployment



Why has FTTH grown in popularity in Japan?

- 1. Competition Policy
- 2. Demand for faster broadband
- 3. Continuous investment by NTT
- 4. National target
- 5. Government support
- 6. Geographical features of Japan, etc.

User Charge for ADSL and FTTx



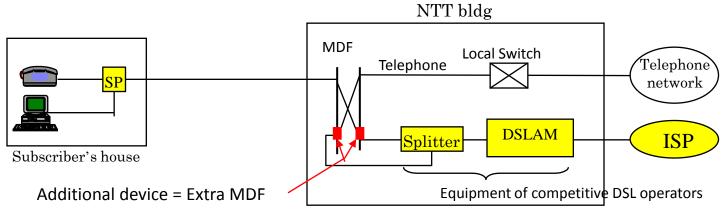
[Source] MIC research on March 31, 2008

Interconnection Charge for ADSL and FTTx

> ADSL

The interconnection charge for line sharing, approved by MIC, is only for additional device and line managing costs because the cost of local loop is already paid by users as a basic telephone charge.

[Interconnection charge for line sharing: less than 1 euro]



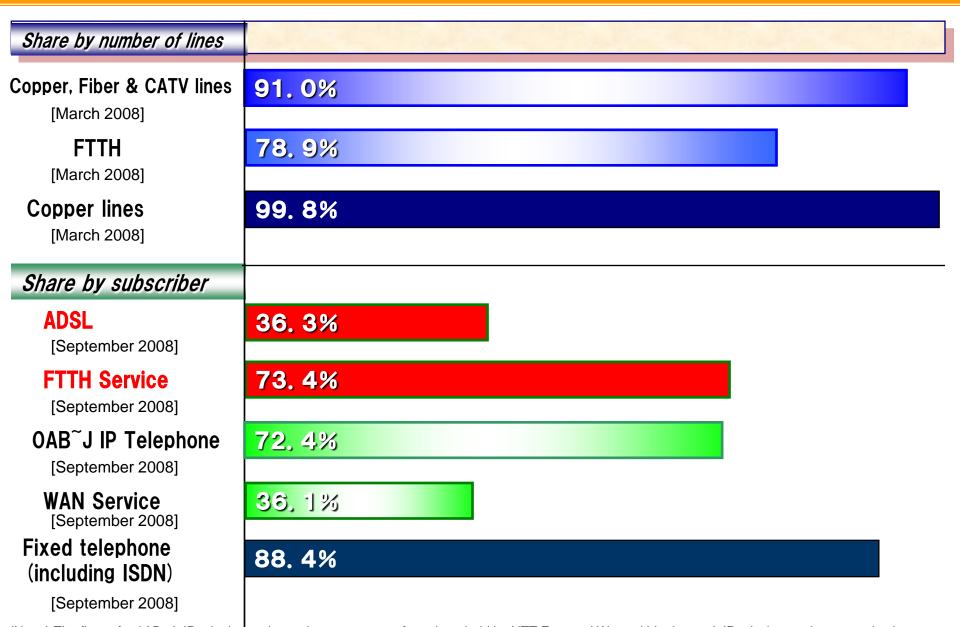
[Interconnection charge for dry copper: less than 10 euros]

> FTTx

The interconnection charge for FTTx service is for whole access line because the fiber access line is completely new and substitution for current metal access.

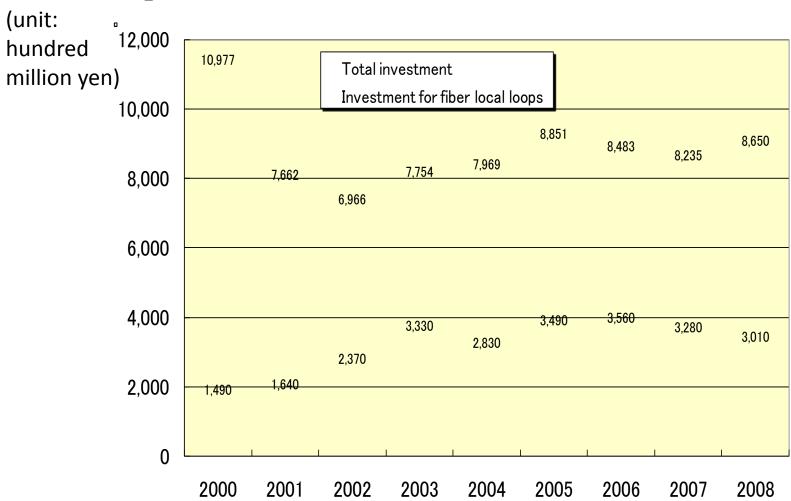
[Interconnection charge for dark fiber: approximately 35 euros for detached house]

Market Share of NTT East and West



⁽Note) The figure for 0AB~J IP telephohe shows the percentage of numbers held by NTT East and West within the total IP telephony telecommunications numbers (0AB~J) assigned by MIC.

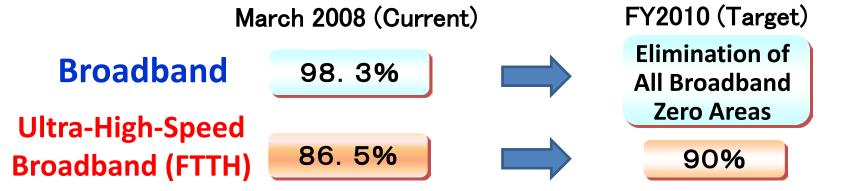
[Total investment and trend of investment for fiber local loop]



^{*}The rate of coverage is the average of NTT East and West. The opticalization of access network means the ratio of opticalized feeder points of the all the feeder points.

Bridging the Digital Divide in Building Broadband Facilities

RATIO OF HOUSEHOLDS COVERED (ESTIMATION) (CURRENT AND TARGET)



PROMOTION SCHEME

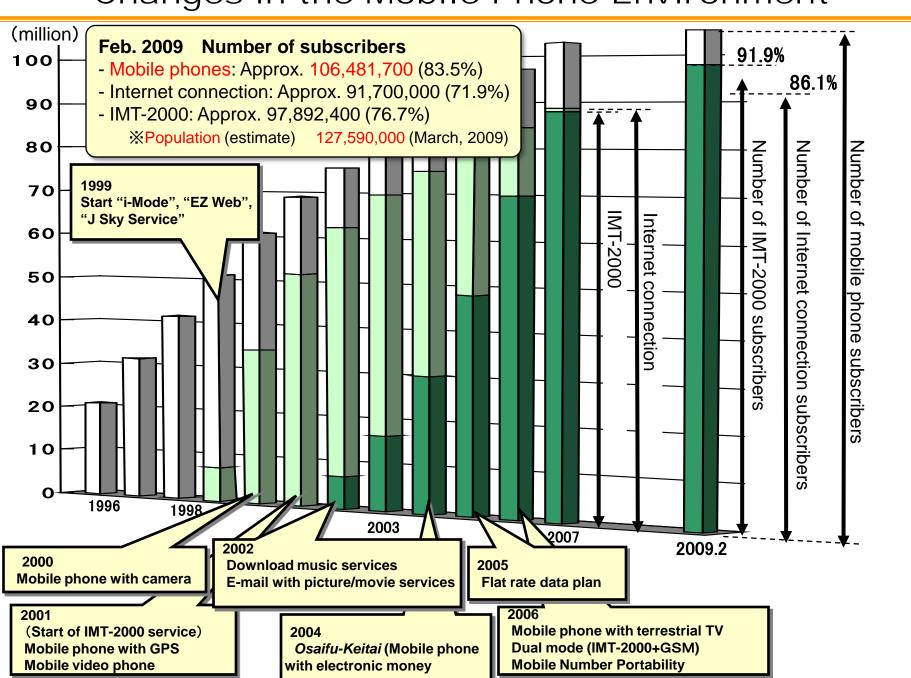
Expansion of the Local Information and Communications
Infrastructure Development Grants (ICT Grants)

Draw Road Maps of Building Broadband Facilities

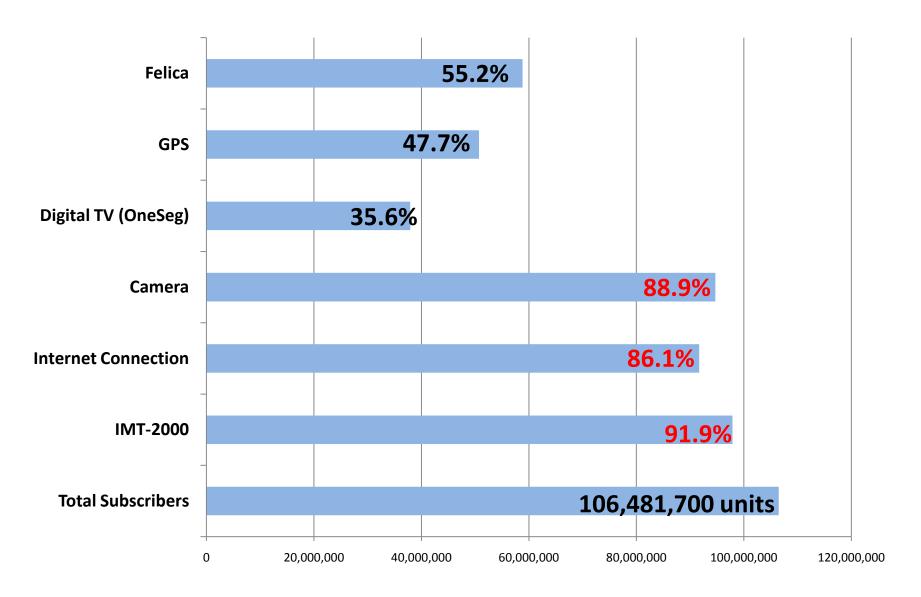
Improvement of the Use Environment of Satellite Broadband

Mobile Communications

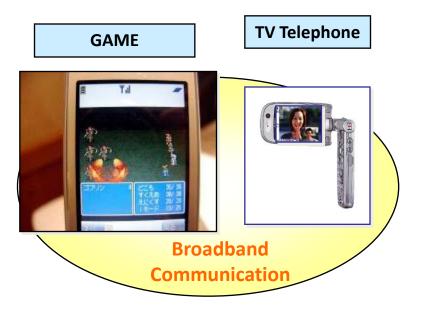
Changes in the Mobile Phone Environment



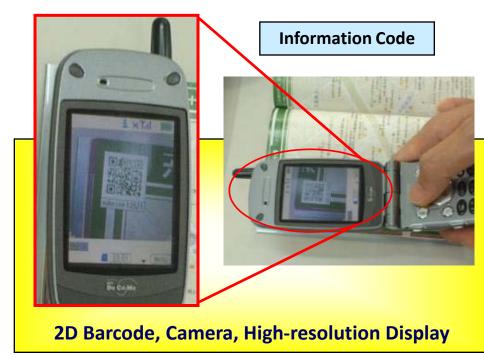
Penetration of various applications with mobile phone

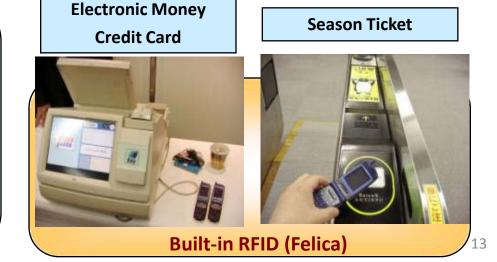


Evolution of Mobile Phone Applications









Competition policy for mobile communications

- 1. Mobile number portability
- 2. Promoting new entries of MVNOs
- 3. Improving interconnection regulations

Interconnection Rules Responsive to Changes in the Telecom Market (1/2)

- The fixed line broadband market saw FTTH surpassing DSL in their number of subscribers in June 2008.
- The mobile telephone market now exceeds 100 million subscribers with advanced handsets and is rapidly becoming a key infrastructure in business operations and everyday life in general. Also, Fixed-Mobile Convergence is expected to bloom in the near future.
- In response to these market changes in the last decade, the Japanese Government launched a comprehensive review of the interconnection policy for securing fair competition in the telecommunications market on February 24, 2009.

Interconnection Rules Responsive to Changes in the Telecom Market (2/2)

1. Outline of review items

- I. Development of fair competition environment in the mobile communications market
- 1. Verification of current regulations

 (Unbundling policy, optimal cost for tariff rates, etc.)
- Effective network infrastructure use (Facility sharing rules & roaming system establishment)

- II. Development of fair competition environment in the fixed-line broadband market
- 1. FTTx services
- 2. DSL services
- 3. Effective network infrastructure uses

- III. Development of fair competition environment to boost entry in telecom platform and content distribution markets.
- 1. Opening up telecom platform functions
- 2. Strengthening dispute settlement function, etc.

- IV. Policy on interconnection rules in the age of fixed-line and mobile communications integration
- 1. Issues in tariff rates calculation
- 2. Policy on future interconnection rules and underlying dominant carrier regulation)

2. Tentative Schedule

- Feb. 2009: Consultation with the Information and Communications Council
- July 2009: Invitation for comments on draft recommendations
- Sep. 2009: Recommendations from the Council (tentative date)